

Sound Enhancement System for Classrooms

The day-to-day stress placed on a teacher's voice has come increasingly under the medical and legal spotlight. A convenient classroom sound enhancement system can be designed to take away the vocal strain and fatigue associated with long hours teaching or lecturing.

Mipro's ACT-101 Remote Controlled Wireless Microphone System can be installed simply and easily integrated with Graphic Equalizer, Powered Mixer and Ceiling Speakers or other Wall-mount Speakers to enhance the sound quality from CD/DVD/MP3, computers or other audio sources for clear sound transmission in all types of classrooms.

MIPRO is an industry's leading manufacturer of innovative wireless microphone systems. Therefore, it is no accident that its ACT series boasts many unique, sound performance-enhancing features. No other brand can match the innovative features of MIPRO's AutoScan and ACT (Automatic Channel Targetting) technology which provide the easiest and fastest channel set-up in the industry.



ACT-101 Remote Controlled Wireless System



ACT-101i External ACT Port Receiver



Accepts External Headset or Lavalier Mic

ACT-101 Remote Controlled Wireless System

☒	EIA standard 1/2U rackmountable receivers.
☒	External ACT Port Receiver can be wall-mounted or standalone to remotely power on/off the receiver.
☒	Same personal wireless microphone MT-101ACT can operate PA in multiple rooms(up to 97 rooms).
☒	Autoscan technology quickly scans and finds a clear, non-interfering receiver frequency – all with one push of a button.
☒	Accepts external portable music player (iPod, MP3, CD, cassette, DVD) for sound amplification.
☒	Can be used with lavalier or headworn microphone for greater flexibility.
☒	Dual "Pilotone & NoiseLock" circuit prevents interferences.
☒	Superb RF reliability and transparent AF performance.
☒	2-3 hours battery recharge time allows 24 hours continuous operation.

Mipro ACT-101/MT-101ACT in Multiple Classrooms

For teachers, the usage of the whole system is completely hassle-free and user-friendly.

Once programmed, the same MT-101ACT transmitter microphone can be used in up to 97 different rooms. In today's environment where personal hygiene and prevention of the spread of superbug, H1N1 or other viruses is of great concern, every teacher can be given his/her own personal wireless transmitter microphone for use in the various classrooms. The transmitter microphone is compact and ultra-lightweight, and powered by AA sized Ni-MH Rechargeable battery which is easily available off-the-shelf in DIY shops. Featuring Industry's only all-in-one, versatile MT-101ACT transmitter microphone, the power on/off and volume loudness can be adjusted on the transmitter microphone itself. MT-101ACT can be either handheld, worn as a neck lanyard or with a headset microphone or lavalier microphone for hands-free operation. Built in 3.5mm mini-jack line-input on the transmitter microphone accepts external audio sources (iPod/MP3/CD/tape/mini-disc/computer) for amplification.

MT-101ACT Personal Wireless Microphone



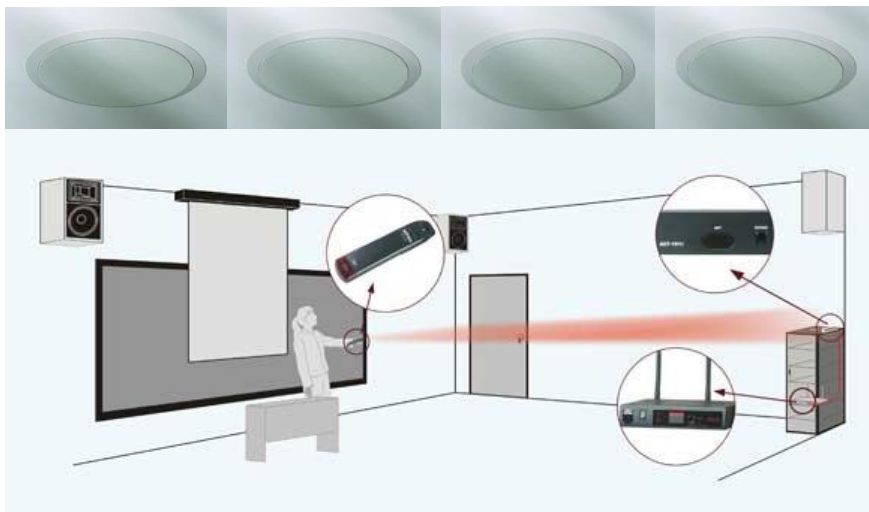
ACT Benefits:

- ✓ No manual frequency adjusting needed. Simple, fast and precise frequency set-up without mechanical errors. Once the frequency has been set, the data is stored in memory, until it is changed by performing the "ACT" function again, even after powering off.

ACT Set-Up

- ✓ Simple press the ACT button on the receiver to activate the ACT function.
- ✓ Bring ACT handheld or bodypack transmitter within 30cm (12") of the IR port on the receiver. The receiver and transmitter frequencies are synchronized automatically.

Reliable & Interference-free Audio Transmission in Classroom Environment



ACT-101 Wireless Remote Controlled Microphone System is ideal for teachers in multiple classrooms and comes with IDA Approved Frequencies.

ACT-101 Specifications

ACT-101 uses RF wireless technology to overcome the disadvantages of infrared wireless microphone systems. With infrared wireless microphone systems, the transmitters and receivers must be almost directly aligned (i.e. able to see each other) to communicate. When blocked by common materials, such as people, walls, plants, etc. the transmission can be lost. The performance of infrared wireless microphone system tends to drop off with longer distances or longer range transmission. With ACT-101, students seated at the end of the classroom can hear clearly, without any loss in amplification level.

Mipro's ACT-101 comes with Pilotone, a squelch circuit function designed by one of MIPRO's R&D senior engineers. The main function is to prevent unwanted signal and sudden bursting noise interference when the receiver is at stand-by mode. With Pilotone, both the microphone and receiver are equipped with built-in sub audible modulation signals. The receiver tone squelch opens only when receiving a signal containing a matching sub audible tone. Thus, it prevents other signals or noises from interfering.

Engine case specification	EIA standard half U
Channel number of classes	Single channel
Engine case material quality	Revertex kneading board, revertex engine case
Assembly way	Stationary receive mold train
Oscillation mode	PLL phase lock frequency synthesis
Radio frequency stability	$\pm 0.005\%$ (-10~50°C)
Carrier frequency band	UHF 620~950MHz
Bandwidth	24MHz
Frequency interval	125KHz
Duration of charging	3 hours
Long-term usage time	24 hours
May establish the frequency number	97 groups
Preinstall channel	1 group, IDA Approved Frequency
Receive way	CPU controls chooses the frequency automatically
Sensitivity	Is equal to 40KHz when the drift rate, the input 6dB μ V, S/N>80dB
Biggest drift rate	± 68 KHz
Synthesizes the S/N ratio	>100dB(A)
Synthesizes T.H.D.	<0.5% @ 1KHz
Comprehensive frequency response	50Hz~18KHz ± 3 dB
Static sound control model	Original 'sound code locking' static sound control
AC power source supply	External connection 230VAC supply
DC power source supply	0.5A, 12~15VDC
Size	210 (wide) * 44 (high) * 170 (depth) mm
Weight	0.6 kg